

**MPV17 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8749a**

**Specification**

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**MPV17 Antibody (N-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">P39210</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	24-50

**MPV17 Antibody (N-term) - Additional Information**

**Gene ID** 4358

**Other Names**

Protein Mpv17, MPV17

**Target/Specificity**

This MPV17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-50 amino acids from the N-terminal region of human MPV17.

**Dilution**

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MPV17 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MPV17 Antibody (N-term) - Protein Information**

**Name** MPV17 ([HGNC:7224](#))

**Function** Non-selective channel that modulates the membrane potential under normal conditions

and oxidative stress, and is involved in mitochondrial homeostasis (PubMed:[25861990](#)). Involved in mitochondrial deoxynucleoside triphosphates (dNTP) pool homeostasis and mitochondrial DNA (mtDNA) maintenance (PubMed:[26760297](#)). May be involved in the regulation of reactive oxygen species metabolism and the control of oxidative phosphorylation (By similarity).

**Cellular Location**

Mitochondrion inner membrane; Multi-pass membrane protein

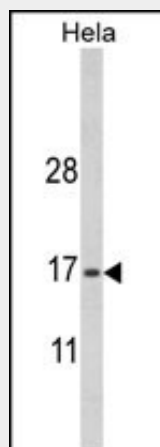
**Tissue Location**

Ubiquitous. Expressed in pancreas, kidney, muscle, liver, lung, placenta, brain and heart.

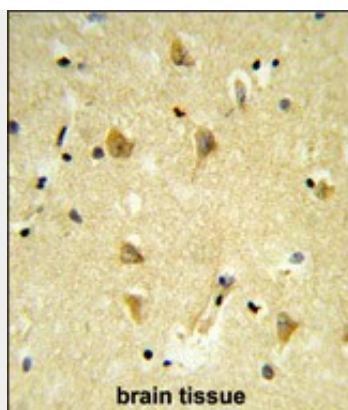
**MPV17 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

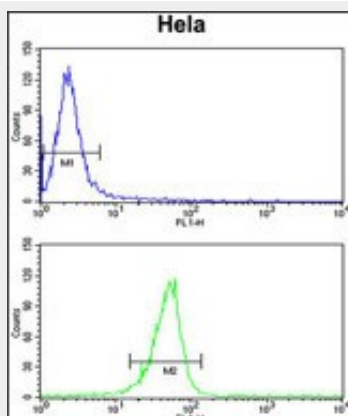
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MPV17 Antibody (N-term) - Images**

Western blot analysis of MPV17 Antibody (N-term) (Cat. #AP8749a) in HeLa cell line lysates (35ug/lane). MPV17 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with MPV17 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



MPV17 Antibody (N-term) (Cat.#AP8749a) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### MPV17 Antibody (N-term) - Background

MPV17 is a mitochondrial inner membrane protein that is implicated in the metabolism of reactive oxygen species.

### MPV17 Antibody (N-term) - References

- Iida, R., et al., J. Biol. Chem. 278 (8), 6301-6306 (2003)
- Karasawa, M., et al., Hum. Mol. Genet. 2 (11), 1829-1834 (1993)